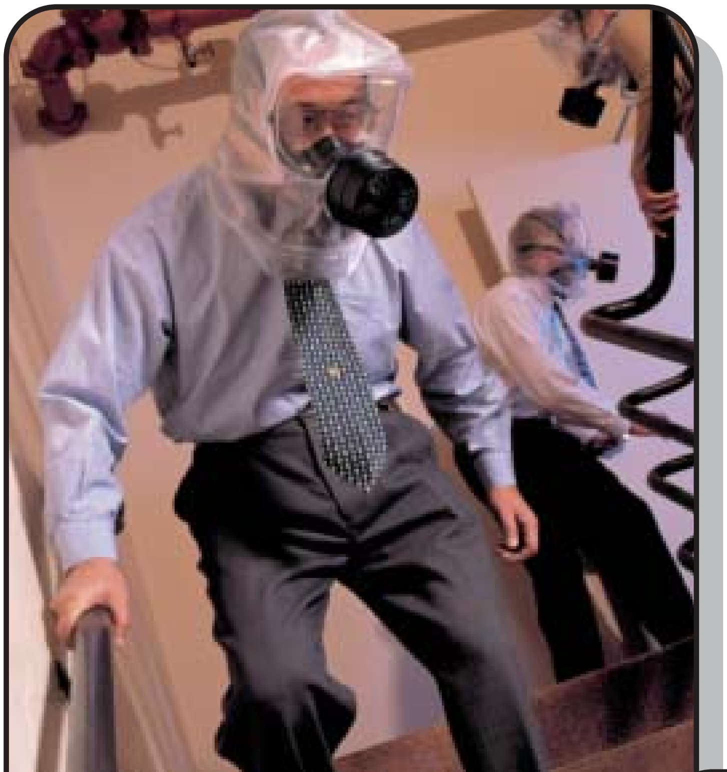
Gas Mask Hood, Industrial Grade



Features

- ▶ Designed for escape from chemical, biological, or nuclear hazards.
- ▶ Made in USA by the world leader in respiratory protection.
- ▶ Specifically designed to be put on fast during emergencies for quick escape.
- ▶ Large clear lens helps to improve field of vision and to reduce claustrophobia.
- ▶ Fits most any size head, accommodating long hair, glasses, and beards.
- ▶ Soft neck seal stretches to fit a wide variety of users.
- ▶ Unique nosecup helps reduce lens fogging and carbon dioxide build up.
- ▶ Cradle-type head straps allow for quick individual donning.
- ▶ Canister and hood materials have been tested against a wide variety of chemical agents.

Gas Mask Hood

Ordering Information

Model Number	Description	UPC	Overpack Qty
10037909	Gas Mask Hood	641817002803	4

Performance of MSA Safety Works Gas Mask Hood Canister Against Various Chemical Agents

The MSA Safety Works Gas Mask Hood Canister has been tested to determine how effectively it can protect an individual against a variety of chemical agents.

This canister contains a pleated high-efficiency (P100 “HEPA”) filter to remove aerosols, radionuclides, and solid particulates; and an impregnated activated carbon bed to adsorb (filter out) gases and vapors. Tear gas agents are removed from the inspired airstream by the P100 filter and the impregnated carbon bed. Mustard (HD), Sarin (GB), DMMP (a Sarin simulant), HCN, and CK are also effectively adsorbed by the carbon bed.

The challenge agents are listed in column 1; testing conditions and requirements in columns 2, 3, and 4; and test results in the last column. The Flow rate for all challenge agents was 50 ±1 LPM. Temperature was 77 ± 5 degrees Fahrenheit (25 ± 3 degrees Celsius).

MSA Safety Works Gas Mask Hood Canister Testing Conditions and Results

Challenge Agent	Challenge Concentration, mg/m^3	Relative Humidity, %	Minimum Service Time Requirement	RESULTS: Service Time until Breakthrough, in minutes
Dimethyl Methylphosphonate (DMMP) (Sarin Simulant) *Nerve agent*	1000 ±70	25 ±0.5	60 minutes until a 0.04 mg/m^3 break	>63
Sarin (GB) *Nerve agent*	1000 ±70	25 ±0.5	60 minutes until a 0.04 mg/m^3 break	>70
Hydrogen Cyanide (AC) *Blood agent*	550 ±25	50 ±3	30 minutes until a 5 mg/m^3 break	>40
HCN after Equilibration for 6 hours @ 25% RH	550 ±25	50 ±3	30 minutes until a 5 mg/m^3 break	>40
HCN after Equilibration for 6 hours @ 85% RH	550 ±25	50 ±3	30 minutes until a 5 mg/m^3 break	>40
ortho-Chlorobenzylidene Malononitrile (CS) Tear Gas *Irritant*	23 ±8	50 ±3	480 minutes until a 0.4 mg/m^3 break	>480
CS after Equilibration for 6 hours @ 25% RH	23 ±8	25 ±3	480 minutes until a 0.4 mg/m^3 break	>480
CS after Equilibration for 6 hours @ 85% RH	23 ±8	85 ±3	480 minutes until a 0.4 mg/m^3 break	>480
a Chloroacetophenone (CN) Tear Gas *Irritant*	101 ±6	50 ±3	480 minutes until a 0.3 mg/m^3 break	>480
CN after Equilibration for 6 hours @ 25% RH	101 ±6	25 ±3	480 minutes until a 0.3 mg/m^3 break	>480
CN after Equilibration for 6 hours @ 85% RH	101 ±6	85 ±3	480 minutes until a 0.3 mg/m^3 break	>480
Oleoresin capsicum ($C_{18}H_{27}NO_3$), the “active” ingredient of the OC tear gas *Irritant*	0.036	50 ±3	None	>480 until a 0.001 mg/m^3 break
Cyanogen Chloride (CK) **Blood agent**	Approx. 4000	80	None	5 to 9 until an 8 mg/m^3 break

Note 1. CK testing was performed according to Mil-C-51560 by the U.S. Army’s Edgewood Arsenal.
Note 2. GB testing was performed by TNO Netherlands.

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MSA SAFETY WORKS
SINCE 1914

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NOTE: This bulletin contains only a general description of MSA products and their potential application. Since each application may vary, the need for, and/or type of, safety equipment may also differ. This bulletin describes only typical product applications. A safety professional should be consulted for specific product application recommendations. While uses, applications, and general performance capabilities are described, under no circumstances should the product be used except by trained and qualified individuals and not until complete and detailed instructions concerning these products have been thoroughly read and understood and the precautions therein set forth followed. Only they contain the complete and detailed information concerning these products.